

**DESCRIPTION/APPLICATION**

The Dual-Barrier design provides a more cost-effective solution than the Tri-Barrier Strips while still supplying many of the design advantages.

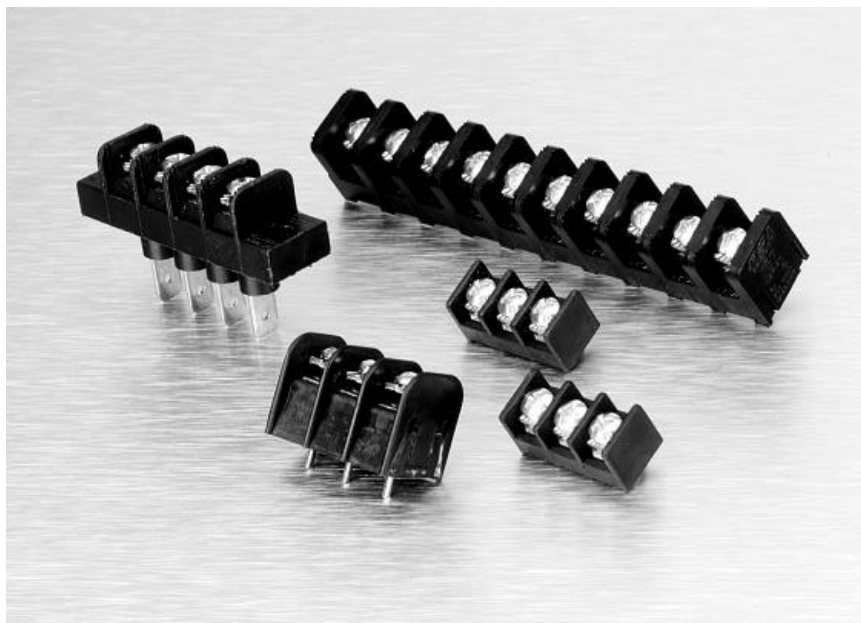
**APPLICATIONS**

- Industrial controls and automation
- Machine tools
- HVAC/R
- Power supplies
- Security/Irrigation
- Transformers

**DESIGN ADVANTAGES**

- Fast wiring – backed-out wire-ready screws
- Interrupted thread prevents screws from falling out
- Standoffs allow flux and solvents to drain during cleaning
- Molded-to-length or cut-to-length versions available
- Slotted or phil-slot screws available

# DUAL BARRIER STRIPS

**CONNECTOR INDEX**

0.325" Pitch, Series SSB3 .....	86-89
0.325" Pitch, Series 4DB .....	90, 91
0.375" Pitch, Series SSB6 .....	92-97
0.375" Pitch, Series JC6 .....	98, 99
0.375" Pitch, Series NC6, Economical Version.....	100, 101
0.4375" Pitch, Series SSB7 .....	102-106

## 0.375" PITCH SERIES SSB6

### PHYSICAL PROPERTIES

HOUSING MATERIAL: Polypropylene  
FLAMMABILITY: UL94V-2  
COLOR: Black

### TERMINAL

TERMINALS: Brass, bright acid tin over copper plating  
SCREW: Steel with zinc + chromate plating  
CLAMP: Steel with zinc + chromate plating

### MECHANICAL

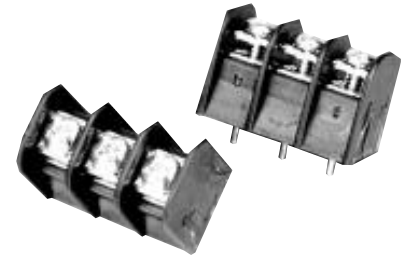
PITCH (TERMINAL SPACING): .375 in.  
SCREW SIZE: 6-32  
RECOMMENDED PCB HOLE DIA.: .077"  
WIRE STRIP LENGTH: .38"  
RECOMMENDED TIGHTENING TORQUE: 8 in.-lbs.  
RECOMMENDED SCREWDRIVERS: Stanley 1006-4,  
Sears Craftsman 41581, Any #2 Phillips-Head  
WIRE LUG WIDTH (MAX.): 8,1mm (.320 in.)

### ELECTRICAL PROPERTIES

MAXIMUM CURRENT: (CLAMP SCREW): 20A  
(BINDING HEAD SCREW): 15A  
OPERATING VOLTAGE: SSB6; 300V  
SSB6R; 150V  
WIRE RANGE: (Clamp Screw): #12 max. AWG  
(Binding Head Screw): #14 max. AWG  
DIELECTRIC WITHSTAND: 5000V

### ENVIRONMENTAL PROPERTIES

OPERATING TEMPERATURE RANGE: -60°C to +105°C  
(-76°F to +221°F)

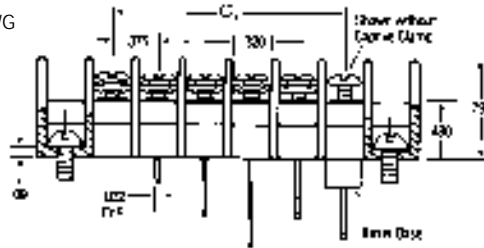
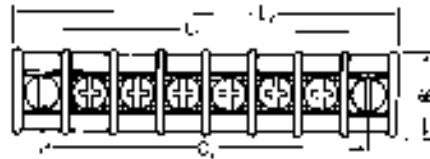


SSB6FP030202

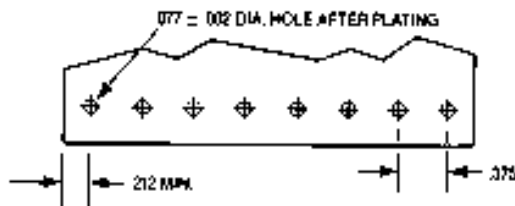
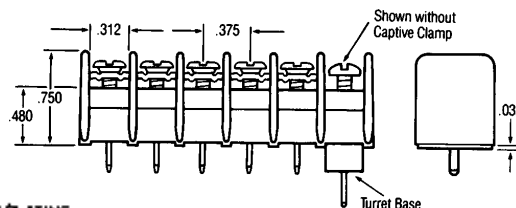
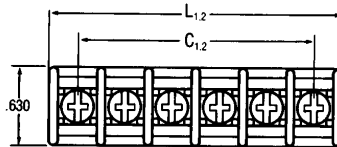
### Dimensions

CIRCUITS (NOT POSITIONS)	C1 IN.	L1* IN.	C2 IN.	L2* IN.
01			.75	1.22
02	.38	.84	1.13	1.59
03	.75	1.22	1.50	1.97
04	1.13	1.59	1.88	2.34
05	1.50	1.97	2.25	2.72
06	1.88	2.34	2.63	3.09
07	2.25	2.72	3.00	3.47
08	2.63	3.09	3.38	3.84
09	3.00	3.47	3.75	4.22
10	3.38	3.84	4.13	4.59
11	3.75	4.22	4.50	4.97
12	4.13	4.59	4.88	5.34
13	4.50	4.97	5.25	5.72
14	4.88	5.34	5.63	6.09
15	5.25	5.72	6.00	6.47
16	5.63	6.09	6.38	6.84
17	6.00	6.47	6.75	7.22
18	6.38	6.84	7.13	7.59
19	6.75	7.22	7.50	7.97
20	7.13	7.59	7.88	8.34
21	7.50	7.97	8.25	8.72
22	7.88	8.34	8.63	9.09
23	8.25	8.72	9.00	9.47
24	8.63	9.09	9.38	9.84
25	9.00	9.47	9.75	10.22
26	9.38	9.84	10.13	10.59
27	9.75	10.22	10.50	10.97
28	10.13	10.59	20.88	11.34
29	10.50	10.97	11.25	11.72
30	10.88	11.34	11.63	12.09
31	11.25	11.72		
32	11.63	12.09		

SSB6



SSB6R (Narrow Profile)

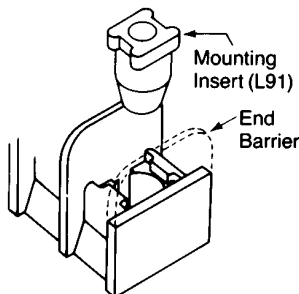


0.375" PITCH  
SERIES SSB6

ORDERING INFORMATION

SSB 6 F P 06 02 02 NN N N  
A B C D E F G H I J

- A** Single Screw Tri-Barrier Strip SSB
- B** Contact Spacing (Center-to-Center)  
6=.375 (3/8)
- C** Base Options  
C=Closed Base  
F=Flat Base  
R=Raised Base, Narrow Profile (with 02 & 04 terminal style only)  
T=Turret Base (Available only with 01, 04, 05, 07, 12, 13, 15 style bottom terminals)  
U=Turret Base, Narrow Profile (Available only with 01, 04, 05, 07, 12, 13, 15 style bottom terminals on SSB6)
- D** Mounting Options (See illustration below)  
E=Open end positions, with mounting inserts, with end barriers  
F=Open end positions, without mounting inserts, without end barriers  
G=Open end positions, with mounting inserts, without end barriers  
H=All positions filled with contacts, without end barriers  
M=Open end positions, without mounting inserts, with end barriers  
P=All positions filled with contacts, with end barriers



- E** No. of Circuits (Not Positions) Must conform to mounting options  
02 to 32 circuits (P & H mounting)  
02 to 30 circuits (M, E, F & G mounting)
- F** Terminal Style  
01=Solder Tail  
02=Printed Circuit Pin  
03=Non-Feedthrough (with C base only)  
04=Extended Printed Circuit Pin  
05=Quick Connects  
06=90° bend, .46" x .11" (with F base only)  
07=Wire Wrap  
08=90° bend, .75" x .11" (with F base only)  
09=Extra-Long Terminal  
12=90° bend, .21" x .65"  
13=90° bend, .36" x .50"  
14=90° bend, .41" x .16" (with F base only)  
15=90° bend, .51" x .35"  
16=90° bend, .32" x .25" (with F base only)
- G** Top Hardware Options  
00=No top hardware (Separately packaged binding head screws supplied at no cost)  
01=Bright zinc and chromate plated steel binding head screw  
02=Bright zinc and chromate plated steel screw and captive clamp - Do not order with other top hardware  
03=Stainless steel binding head screw  
04=Nickel plated brass binding head screw  
09=Nickel plated brass screw and captive clamp - Do not order with other top hardware  
10=Yellow chromate plated steel binding head screw.

11=Yellow chromate plated steel screw and captive clamp - Do not order in combination with other top hardware.  
80=Single sided solder tab  
81=Double sided solder tab

Quick-Connect Blades (supplied with 01 screw)

.110 wide	.187 wide
x.020	x.020
thick	thick
20	40=
21	41=
22	42=
23	43=
24	44=
25	45=
26	46=
27	47=
28	48=
29	49=
30	50=
31	51=
32	52=
33	53=
34	54=
35	55=
36	56=

**H** Circuit Identification Options  
NN=No circuit identification

11 = 12345...
12 = ...54321
13 =
14 =
15 = 12345... = 51
...54321 = 91

- I** Material  
N=Polypropylene
- J** Color  
N=Black

## 0.375" PITCH SERIES SSB6 OPTIONS

### CONTACT SPACING OPTIONS:

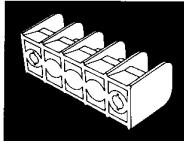
#### .375 in (3/8") Spacing

Up to 32 circuits.  
(30 ckt. for end mounted blocks)

### BASE OPTIONS:

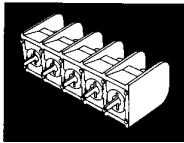
#### Closed Base

CATALOG LETTER CODE: C. For terminal junction-blocks requiring top connections only. Useful in applications requiring single point circuit terminations or circuit completion via top mounted, single and two-sided quick-connects. Replace double row barrier strips.



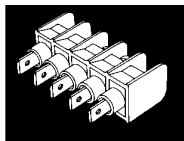
#### Flat Base

CATALOG LETTER CODE: F. Lends itself most readily to applications where direct top-to-bottom feed-through is required with no special requirement for circuit isolation on the bottom side. The most common example of this is printed circuit board mounting.



#### Raised Base

CATALOG CODE: SSB6R. Elevated base is designed to allow flux and solvents to drain during flow soldering operations. Has slightly lower barriers than other SSB6 models. Available only with 02 and 04 bottom terminals. All other options available.



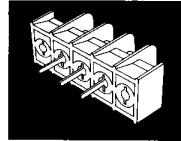
#### Turrent Base

CATALOG LETTER CODE: T. Combines top-to-bottom feed-through with bottom-side circuit isolation for panels up to .126" thick. Turrent bases are available with the following terminals: solder tail, quick connect, machine wrap, extended circuit board terminal, and right angle.

### MOUNTING OPTIONS:

#### End Position Mounting

CATALOG LETTER CODES: E, F, G or M. Supplied without contacts in end sections to allow installer to mount blocks with screws in end section holes. Base of block will support mounting screws (Codes F & M). Also available with mounting inserts installed in end mounting holes to raise mounting screw heads to the level of other top hardware (Codes E & G).



#### Without End Barriers

Catalog Letter Codes: F, G & H. Facilitates mounting-screw access when end sections are used for mounting.

#### Direct Mounting

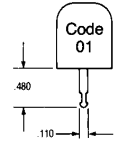
CATALOG LETTER CODES: P & H. SSBs may be solder-mounted using the bottom terminals themselves, as in the case of printed circuit board applications.

Direct mounting is also possible with turret base models using press-on retailing clips (Catalog No. L97) on turrets.

### TERMINAL STYLE:

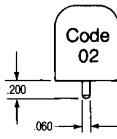
#### Solder Tail

CATALOG NUMBER CODE: 01. For applications requiring a wrapped solder connection.



#### Printed Circuit Pin

CATALOG NUMBER CODE: 02. Designed specifically for mounting on .063" thick circuit board. Special, readily solderable plating permits good fillet development in automated soldering processes.



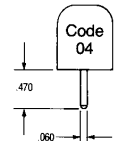
#### Non-Feed-Through

CATALOG NUMBER CODE: 03. With closed base option only.



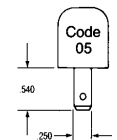
#### Extended Printed Circuit Pin

CATALOG NUMBER CODE: 04. Useful where extra length is needed, as in thicker printed circuit boards or single-wrap connections.



#### Quick Connect

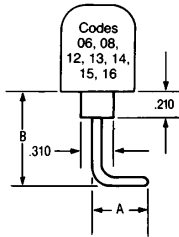
CATALOG NUMBER CODE: 05. .250 in. wide x .032" thick blades accept .250" female quick connects.



## 0.375" PITCH SERIES SSB6 OPTIONS

### Right Angle

CATALOG NUMBER CODES: 06, 08, 12, 13, 14, 15, 16. Seven variations of right angle contacts are available. Designed for circuit board and panel applications, this option save space when printed-circuit boards are stacked closely together. It provides access to top connections in restricted spaces. Mount with (Catalog No. L92).

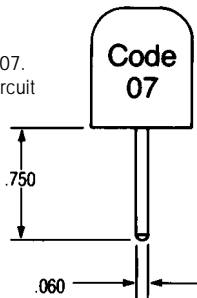


CATALOG No. CODE	A IN.	B IN.
06*	0.46	0.11
08*	0.75	0.11
12	0.21	0.65
13	0.36	0.50
14*	0.41	0.16
15	0.51	0.35
16*	0.32	0.25

\*Not available with turret base

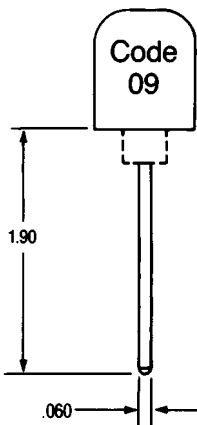
### Wire Wrap

CATALOG NUMBER CODE: 07. Longer than extended circuit board terminals. Post alignment is compatible with tolerances required for automatic wire wrapping equipment. Post dimensions are compatible with standing wire wrapping bits.



### Extra Long Terminal

CATALOG NUMBER CODE: 09.



### TOP HARDWARE OPTIONS:

#### Binding Head Screws

In most applications, binding head screws will provide excellent wire retention because of exclusive wire locking tabs. These binding head screws are available in four styles:



CATALOG NUMBER CODE:

- 01 \*Bright Zinc and Chromate Plated Steel
- 02 Stainless Steel
- 03 \*Nickel Plated Brass

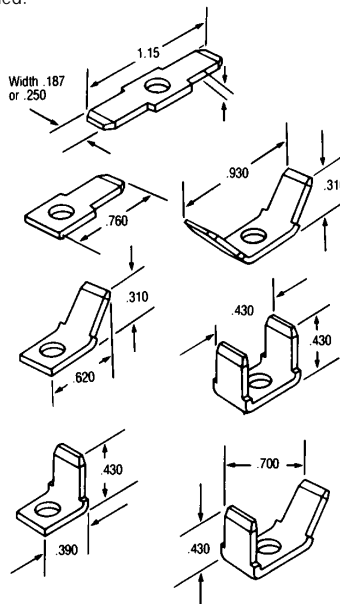
\*Phil-slot design

#### Captive Clamp

CATALOG NUMBER CODES: 02 & 09. For applications requiring extra security, captive clamps under the screw heads augment the locking tabs on each contact. Screws have a unique Phil-slot design accepting either Phillips-head or Bright Zinc and Chromate plated steel. Code 09 screw is Nickel plated Brass.

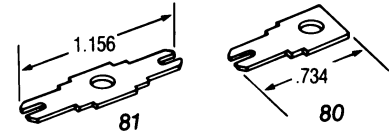


CATALOG NUMBER CODES: 20 through 56. A Complete selection of .187" and .250" quick-connect blades are available for connecting wire terminated with female quick connects. Single and double sided types in flat, 45° and 90° angle bends can be supplied. Material is brass with tin plating. All blades supplied with 01 screws. Various quick-connects can be combined.



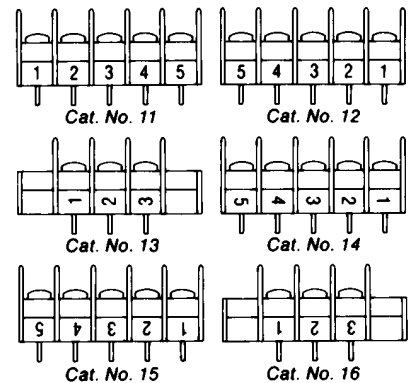
### Solder Tabs

CATALOG NUMBER CODES: 80 & 81. Single and double sided, slotted solder tabs are available for marking wrapped solder connections on the top side of SSB's.



### CIRCUIT IDENTIFICATION OPTIONS:

CATALOG NUMBER CODES: 11 through 16. SSB blocks may be ordered with circuit identification numbers in white on the molding in six different variations. Custom markings are available on special order.











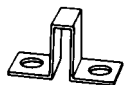

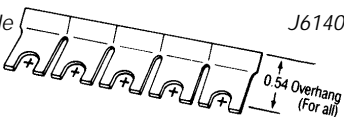
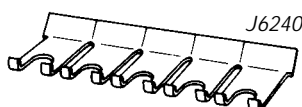
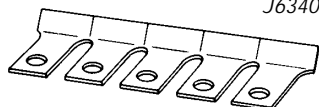
### MOLDING MATERIAL OPTIONS:

CATALOG CODE: N. The standard SSB molding material is UL94V-2 polypropylene. Consult factory for other materials available on special order.

### MOLDING COLOR OPTIONS:

SSB blocks are stocked in black. Consult factory for availability of other colors.

## 0.375" PITCH SERIES SSB6 ACCESSORIES

DESCRIPTION	CATALOG NUMBER	CATALOG DESCRIPTION	NUMBER
<b>STEEL BINDING HEAD SCREWS,</b> Phil-slot Bright zinc and chromate plated	 L01	<b>SOLDER TABS:</b> For making top-side solder connections	
<b>CAPTIVE CLAMP SCREW</b> L02 is steel, bright zinc and chromate plated L09 is brass, nickel plated	 L02 L09	Single-Sided	 ST80
<b>PRESS-ON STAINLESS STEEL RETAINING CLIPS</b> for mounting turret base SSBs	 L97	Double-Sided	 ST81
<b>RETAINING CLAMP INSTALLATION TOOL</b> Use to install L97 retaining clips	 L97T	<b>JUMPERS:</b> Spade Type (Brass, Tin plated) Two-Circuit, Over the Barrier. Fits SSB6 & SSB7	 J74
<b>MOUNTING INSERTS</b> for mounting SSBs with blank end sections, nylon Package of 100 (use No. 6 screw)	 L91	Ring Tongue Two-Circuit, Over the Barrier. Fits SSB6 & SSB7	 J75
<b>ANGLE BRACKET</b> for mounting SSBs with right angle terminals, copper alloy, tin plated	 L92	<b>SB6 Around the Barrier* Spade</b> J6140 40 circuits; snap apart to desired lengths	 J6140 0.54 Overhang (For all)
		<b>SSB6 Around the Barrier* Flanged Spade Jumper;</b> J6240 40 circuits; snap apart to desired lengths	 J6240
		<b>SSB6 Around the Barrier* Ring Tongue Jumper;</b> J6340 40 circuits; snap apart to desired lengths	 J6340

### Ordering Information

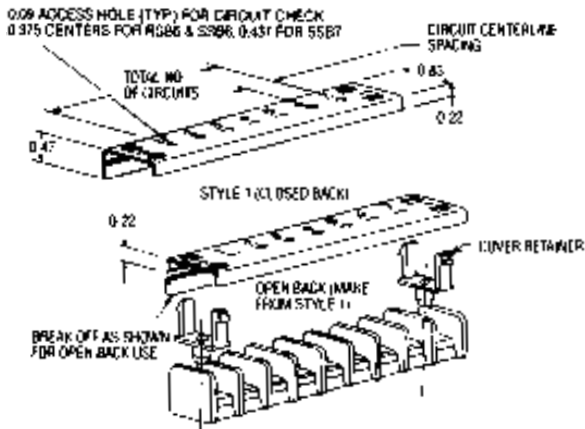
QUICK CONNECT BLADES DESCRIPTION	.250 WIDE		.187 WIDE	
	X	X	X	X
	.032 THICK	.032 THICK	.020 THICK	.020 THICK
Flat, Single-Sided	—	QC20	QC40	
45°, Two-Sided	↘	QC21	QC41	
90°, Two-Sided	⊥	QC22	QC42	
Flat, Single-Sided	—	QC23	QC43	
45°, Single-Sided	↘	QC24	QC44	
90°, Single-Sided	⊥	QC25	QC45	
90° -45°, Two-Sided	↘	QC36	QC56	

\*NOTE: Jumper extends 0.54 horizontally from center of screw.

## 0.375" PITCH SERIES SSB6 ACCESSORIES

### SAFETY COVERS (For RSB & SSB Barrier Strips)

Dead front protection prevents accidental contact with energized circuits. access holes for test probes are provided over each terminal. Nylon clups are included with each cover. Covers meet UL94V-0, with 50°C temperature index. Black circuit identification is optional.



### ORDERING INFORMATION

